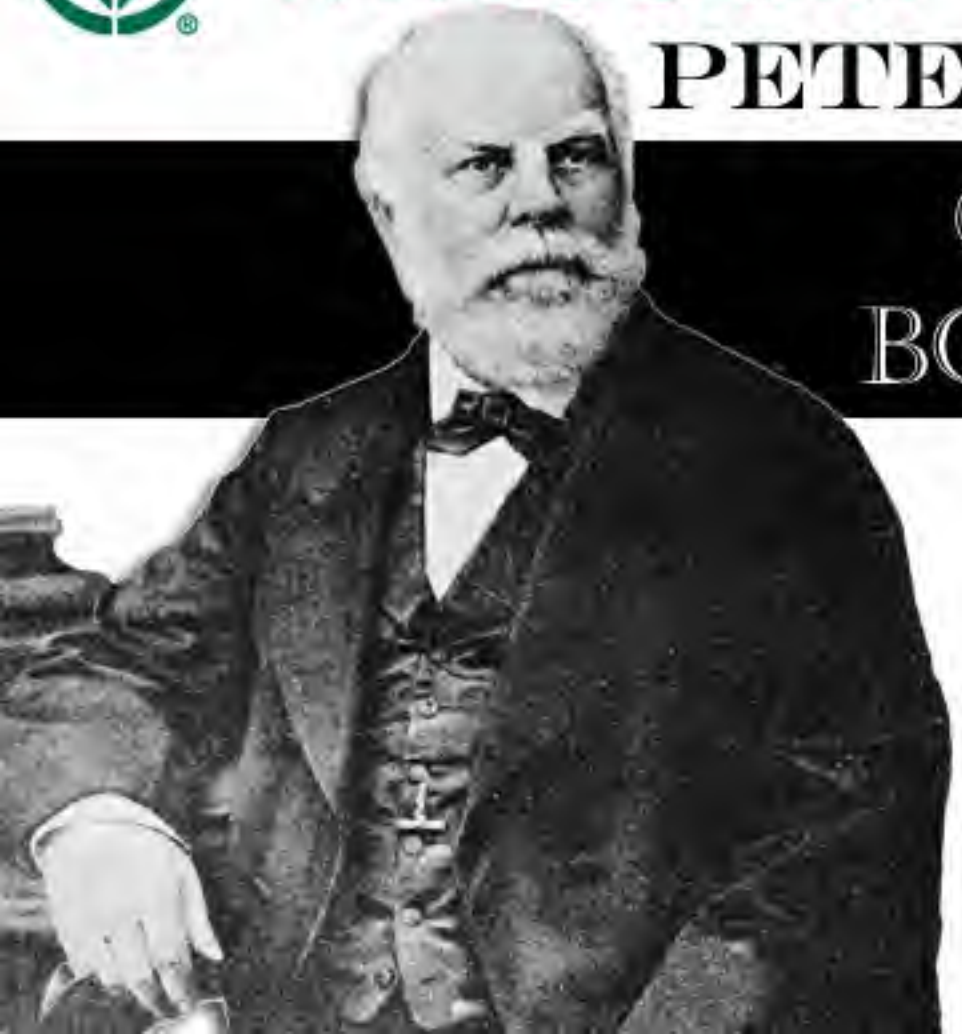
Missouri Botanical Garden
Peter H. Raven Library

George Engelmann Botanical Notebooks



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1-3

130

Commelynaceae

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cm
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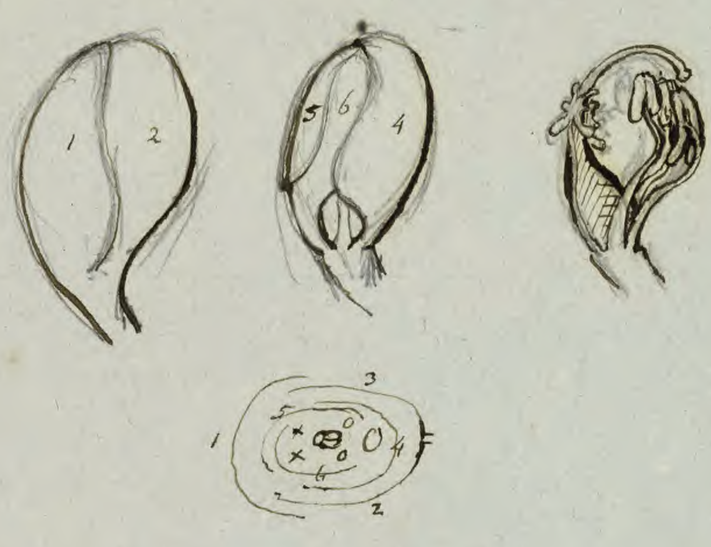
Commelyna

ought to be reversed

Commelyna agraria Kunth
St Louis Aobt 1848

flower bud



capsula

the two larger Coculi opening with 3 valves one with the dissepiment a. the two other united b & c. only separates at the point.
The third Coculus d is membranaceous and remains closed and contains one seed; the two other 2 seeds each; the seed in d adheres closely to the walls of the capsule

seeds in the larger Coculi fall away and are retained the only seed in the third Coculus is larger, almost smooth and remains enclosed in that part of the capsule marked b. c. d. which falls away entire. —

ought to be reversed

Commelyna angustifolia
between Fort Gibson
& Fort Smith
Arkansas
June 1835

only two stamina well developped: the third large one very much altered; the three others not as much altered.

In the Arkansas specimen of Commelyna agraria the uppermost sterile stamen or nectary is reduced to a mere filament — but in the St Louis Specimen it appears to be entirely wanting. — In the St Louis Specimen there are two peduncules in the Spatha, a longer exsert one usually slightly pubescent with about 2 flowers, and a shorter, thick grooved (fasciated one) glabrous with about 4 flowers; apparently all flowers are perfect, but probably only those of the short one are fertile.

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Commelyna C. B. Clarke in

DC. Monogr. Phanerogamarum vol III

p 144 C. undiflora Lin (Agrosti Kunth)

150 C. Leiandra (Zudsonlia Torr + Mey Bond

151 C. dianthifolia DC (mss Bond

162 C. hirtella Vahl Illinois to Gulf Mex

(170 C. communis L. China etc)

181 C. erecta L. Louisiana, Texas etc.

182 C. Virginica L (var. angustifolia) Texas to

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"Astragalus Mexicanus" Apl 10 1881

— Botanic greenhouse

Pollen × 415 = 0.048 – 0.049
in longer diameter

plants imbedded
in a cavity surrounded
by a membranaceous
villous-ciliate
corpula (calyx?)

But Astr. Mex. calyx-tube cong
— i mucronate
villous-ciliate lobes spath

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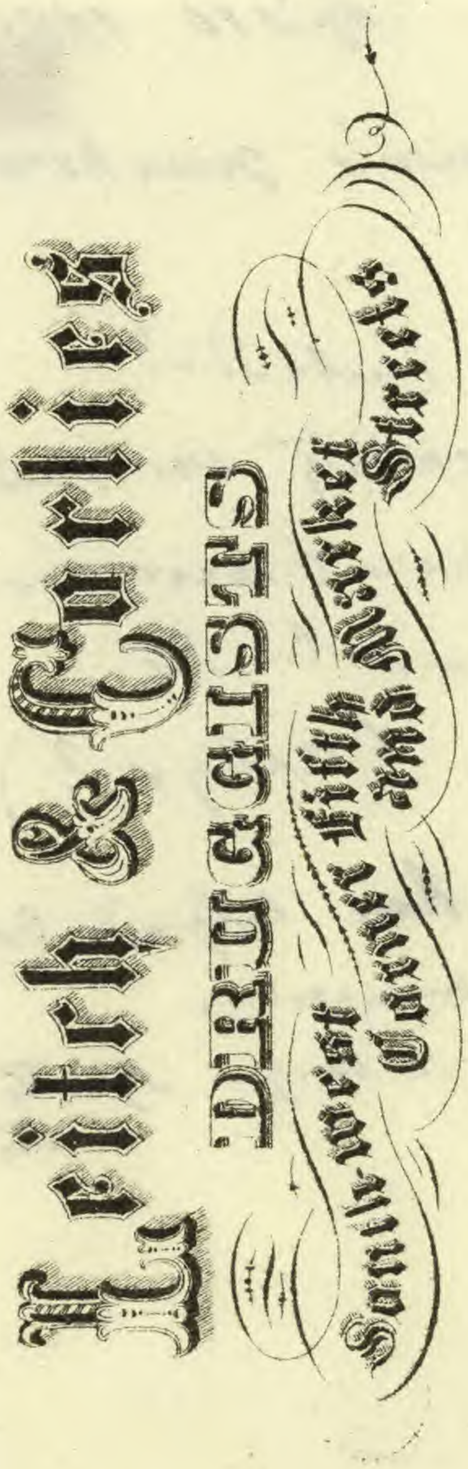

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Spiranthes fragrans

Feb 19 1976

Habit.

×30

Leaves × 30

1 valve of ovary

6 ovules, in each cell
2, one above the other

Flower × 30

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Alex. Leitch.

APOTHECARY & CHEMIST.

Cor. 4th & Olive Sts., St. Louis.

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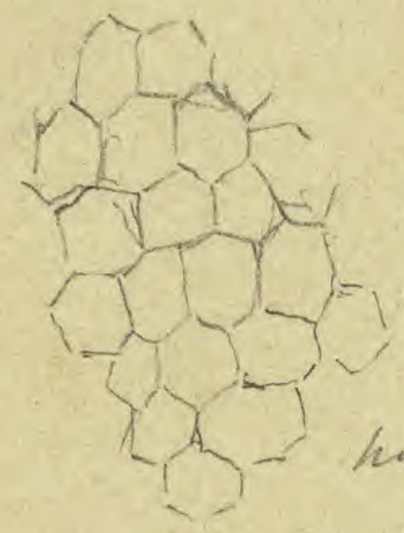
Tradescantia

May 25 1866

Epidermis cells ×60

of outside



humilis

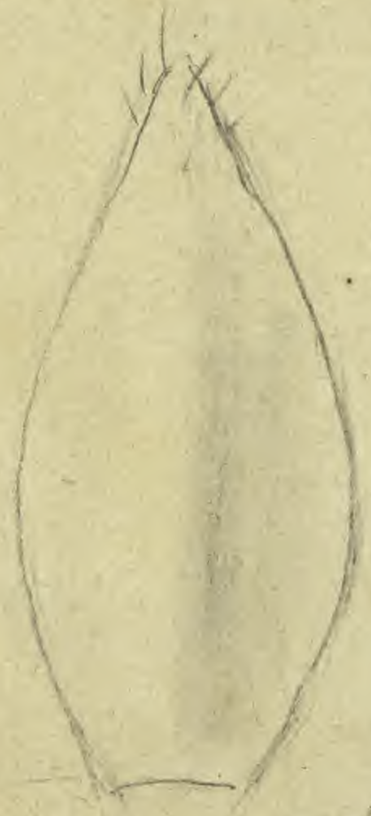
pilosa

data

glauca

Ovule

×4



only the outer epidermal cells

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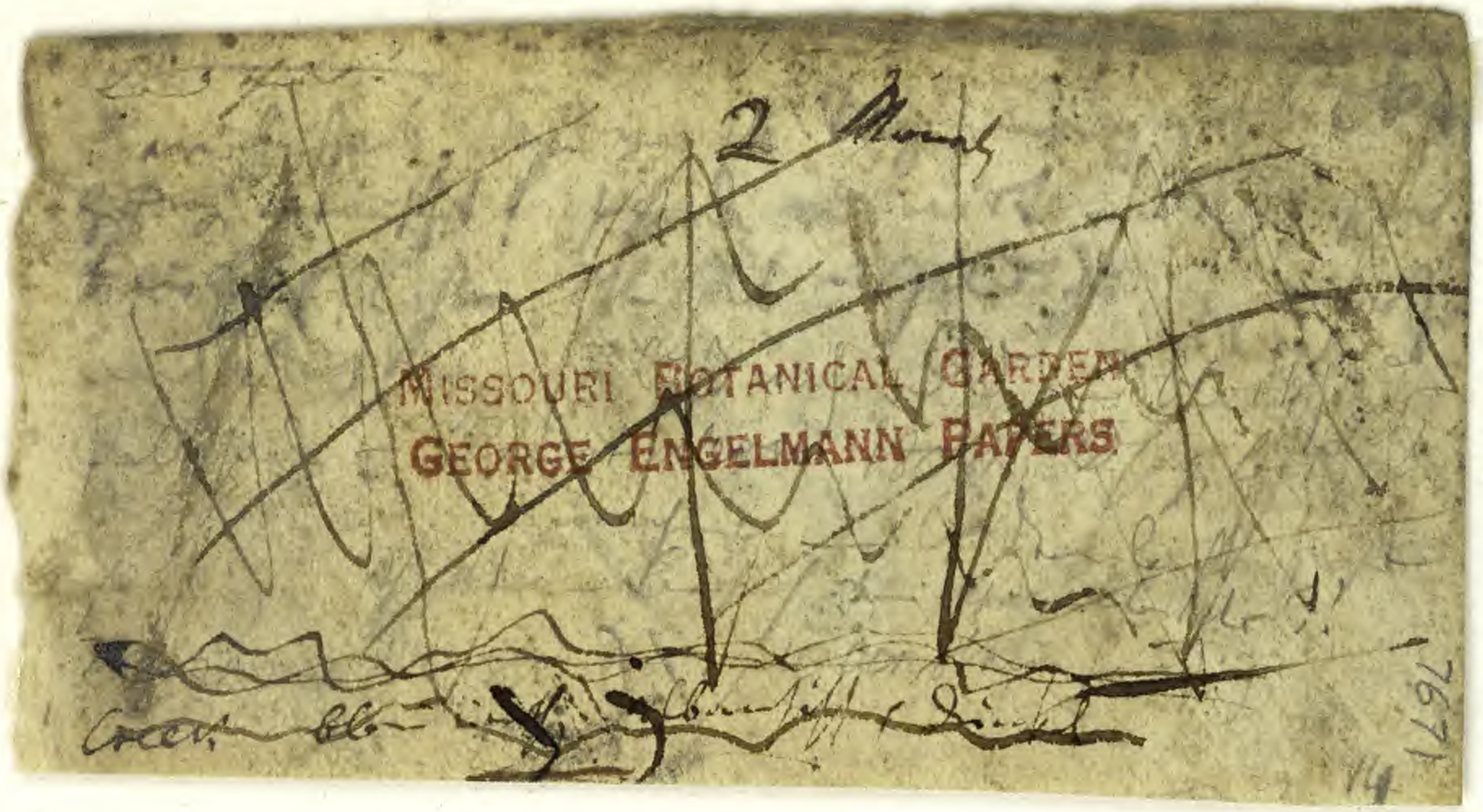

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